

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Original) A method for rendering a portal graphical user interface (GUI), comprising:
 - providing for the representation of a GUI desktop, a GUI look and feel, and a GUI book as a set of controls wherein the controls can be organized in a logical hierarchy;
 - traversing the representation, wherein the traversing comprises:
 - associating a theme with a first control in the set of controls;
 - rendering the first control according to the theme;
 - rendering any descendants of the first control according to the theme;
 - wherein any descendants of the first control can override the theme; and
 - wherein one of the set of controls can communicate with another of the set of controls.

2. (Original) The method of claim 1 wherein:
 - the desktop is a view of a portal;
 - wherein the desktop can be represented by a desktop control; and
 - wherein the desktop control is hierarchically superior to the shell control and to the book control.

3. (Original) The method of claim 1 wherein:
 - the look and feel determines the appearance of the portal;
 - wherein the look and feel can be represented by a look and feel control; and
 - wherein the theme is a variation of the look and feel.

4. (Original) The method of claim 1 wherein:

the book can be used to navigate to at least one portal page; and

wherein the book is represented by a book control.

5. (Original) The method of claim 1 wherein:

one of the set of controls can respond to an event raised by another of the set of controls.

6. (Original) The method of claim 1 wherein:

a control can have an interchangeable persistence mechanism.

7. (Original) The method of claim 1 wherein:

a control can have an interchangeable rendering mechanism.

8. (Original) The method of claim 1, further comprising:

accepting a request.

9. (Original) The method of claim 8 wherein:

the request in a hypertext transfer protocol (HTTP) request.

10. (Original) The method of claim 8 wherein:

the request originates from a Web browser.

11. (Original) The method of claim 1, further comprising:

generating a response.

12. (Original) The method of claim 1 wherein:

a control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

13. (Original) The method of claim 1 wherein:

associating the theme with the first control can occur when the first control is rendered.

14. (Original) The method of claim 1 wherein:

the first control inherits the theme from a parent control.

15. (Original) The method of claim 1 wherein:

the theme specifies the appearance and/or functioning of an control in the GUI.

16. (Original) The method of claim 1 wherein:

rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.

17. (Original) The method of claim 1 wherein:

the theme can be specified in whole or in part by a properties file.

18. (Original) The method of claim 17 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

19. (Original) The method of claim 17 wherein:

the properties file can specify at least one image.

20. (Original) The method of claim 1 wherein:

the GUI is part of a portal on the World Wide Web.

21. (Original) A method for rendering a graphical user interface (GUI), comprising:

accepting a request;

mapping the request to the set of controls that represent a GUI desktop, a GUI look and feel, and a GUI book, and wherein the controls are organized in a logical hierarchy;

traversing the representation, wherein the traversing comprises:

associating a theme with a first control in the set of controls;

rendering the first control according to the theme;

rendering any descendants of the first control according to the theme; and

wherein any descendants of the first control can override the theme.

22. (Original) The method of claim 21 wherein:

the desktop is a view of a portal;

wherein the desktop can be represented by a desktop control; and
wherein the desktop control is hierarchically superior to the shell control and to the book control.

23. (Original) The method of claim 21 wherein:

the look and feel determines the appearance of the portal;
wherein the look and feel can be represented by a look and feel control; and
wherein the theme is a variation of the look and feel.

24. (Original) The method of claim 21 wherein:

the book can be used to navigate to at least one portal page; and
wherein the book is represented by a book control.

25. (Original) The method of claim 21 wherein:

the request in a hypertext transfer protocol (HTTP) request.

26. (Original) The method of claim 21 wherein:

the request originates from a Web browser.

27. (Original) The method of claim 21, further comprising:

generating a response.

28. (Currently Amended) The method of claim [[1]] 21 wherein:

one of the set of controls can respond to an event raised by another of the set of controls.

29. (Currently Amended) The method of claim [[1]] 21 wherein:

a control can have an interchangeable persistence mechanism.

30. (Currently Amended) The method of claim [[1]] 21 wherein:

a control can have an interchangeable rendering mechanism.

31. (Original) The method of claim 21 wherein:

a control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

32. (Original) The method of claim 21 wherein:

associating a theme with the first control can occur when the first control is rendered.

33. (Original) The method of claim 21 wherein:

the first control inherits the theme from a parent control.

34. (Original) The method of claim 21 wherein:

the theme specifies the appearance and/or functioning of an control in the GUI.

35. (Original) The method of claim 21 wherein:

rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.

36. (Original) The method of claim 21 wherein:

the theme can be specified in whole or in part by a properties file.

37. (Original) The method of claim 36 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

38. (Original) The method of claim 36 wherein:

the properties file can specify at least one image.

39. (Original) The method of claim 21 wherein:

the GUI is part of a portal on the World Wide Web.

40. (Original) A method for rendering a graphical user interface (GUI), comprising:

providing for the representation of a GUI desktop, a GUI look and feel, and a GUI book as a plurality of controls wherein the controls are organized in a logical hierarchy;
traversing the representation, wherein the traversing comprises:

associating a first theme with a first control in the plurality of controls;
rendering the first control according to the first theme;

associating a second theme with a second control in the plurality of controls; rendering the second control according to the second theme; and wherein the second control is a descendant of the first control.

41. (Original) The method of claim 40, further comprising:
accepting a request.

42. (Original) The method of claim 40 wherein:
the desktop is a view of a portal;
wherein the desktop can be represented by a desktop control; and
wherein the desktop control is hierarchically superior to the shell control and to the book control.

43. (Original) The method of claim 40 wherein:
the look and feel determines the appearance of the portal;
wherein the look and feel can be represented by a look and feel control; and
wherein the theme is a variation of the look and feel.

44. (Original) The method of claim 40 wherein:
the book can be used to navigate to at least one portal page; and
wherein the book is represented by a book control.

45. (Original) The method of claim 41 wherein:
the request in a hypertext transfer protocol (HTTP) request.

46. (Original) The method of claim 41 wherein:

the request originates from a Web browser.

47. (Original) The method of claim 40, further comprising:

generating a response.

48. (Currently Amended) The method of claim [[1]] 40 wherein:

the first control can respond to an event raised by the second control.

49. (Currently Amended) The method of claim [[1]] 40 wherein:

a control can have an interchangeable persistence mechanism.

50. (Currently Amended) The method of claim [[1]] 40 wherein:

a control can have an interchangeable rendering mechanism.

51. (Original) The method of claim 40 wherein:

a control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

52. (Original) The method of claim 40 wherein:

the first control inherits the first theme from a parent control.

53. (Original) The method of claim 40 wherein:

the first theme specifies the appearance and/or functioning of the first control in the GUI.

54. (Original) The method of claim 40 wherein:

the rendering the first control can be accomplished in parallel with the rendering of the second control.

55. (Original) The method of claim 40 wherein:

a theme can be specified in whole or in part by a properties file.

56. (Original) The method of claim 55 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

57. (Original) The method of claim 55 wherein:

the properties file can specify at least one image.

58. (Original) The method of claim 40 wherein:

the GUI is part of a portal on the World Wide Web.

59. (Original) A machine readable medium having instructions stored thereon that when executed by a processor cause a system to:

provide for the representation of GUI desktop, a GUI look and feel, and a GUI book as a set of controls wherein the controls are organized in a logical hierarchy;
traverse the representation, wherein the traversing comprises instructions to cause the system to:

associate theme with a first control in the set of controls;
render the first control according to the theme;
render any descendants of the first control according to the theme;
wherein any descendants of the first control can override the theme; and
wherein one of the set of controls can communicate with another of the set of controls.

60. (Original) The machine readable medium of claim 59, further comprising:

accepting a request.

61. (Original) The machine readable medium of claim 59 wherein:

the desktop is a view of a portal;
wherein the desktop can be represented by a desktop control; and
wherein the desktop control is hierarchically superior to the shell control and to the book control.

62. (Original) The machine readable medium of claim 59 wherein:

the look and feel determines the appearance of the portal;
wherein the look and feel can be represented by a look and feel control; and

wherein the theme is a variation of the look and feel.

63. (Original) The machine readable medium of claim 59 wherein:

the book can be used to navigate to at least one portal page; and

wherein the book is represented by a book control.

64. (Original) The machine readable medium of claim 59 wherein:

one of the set of controls can respond to an event raised by another of the set of controls.

65. (Original) The machine readable medium of claim 59 wherein:

a control can have an interchangeable persistence mechanism.

66. (Original) The machine readable medium of claim 59 wherein:

a control can have an interchangeable rendering mechanism.

67. (Original) The machine readable medium of claim 59, further comprising instructions that

when executed cause the system to:

accept a request.

68. (Original) The machine readable medium of claim 67 wherein:

the request in a hypertext transfer protocol (HTTP) request.

69. (Original) The machine readable medium of claim 67 wherein:

the request originates from a Web browser.

70. (Original) The machine readable medium of claim 59, further comprising instructions that when executed cause the system to:
generate a response.

71. (Original) The machine readable medium of claim 59 wherein:
a control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

72. (Original) The machine readable medium of claim 59 wherein:
associating the theme with the first control can occur when the first control is rendered.

73. (Original) The machine readable medium of claim 59 wherein:
the first control inherits the theme from a parent control.

74. (Original) The machine readable medium of claim 59 wherein:
the theme specifies the appearance and/or functioning of an control in the GUI.

75. (Original) The machine readable medium of claim 59 wherein:
rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.

76. (Original) The machine readable medium of claim 59 wherein:

the theme can be specified in whole or in part by a properties file.

77. (Original) The machine readable medium of claim 76 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

78. (Original) The machine readable medium of claim 76 wherein:

the properties file can specify at least one image.

79. (Original) The machine readable medium of claim 59 wherein:

the GUI is part of a portal on the World Wide Web.

80. (Currently Amended) A ~~computer data signal embodied in a transmission medium~~ machine readable medium, comprising:

a code segment including instructions to provide for the representation of GUI desktop, a GUI look and feel, and a GUI book as a set of controls wherein the controls are organized in a logical hierarchy;

a code segment including instructions to traverse the representation comprising:

 a code segment including instructions to associate theme with a first control in the set of controls;

a code segment including instructions to render the first control according to the theme;

a code segment including instructions to render any descendants of the first control according to the theme;

wherein any descendants of the first control can override the theme; and

wherein one of the set of controls can communicate with another of the set of controls.